

ARCHITECTURE OF A BRIDGE BETWEEN NON-IP NETWORKS AND THE WEB

ABSTRACT OF THE DISCLOSURE

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Thin glue layers bridge a Non-IP network and the Internet Web. Existing services in both networks are used directly wherever feasible, thereby achieving simplicity and efficiency. A Non-IP-specific application can use a Non-IP API to access Internet services, and an IP-based Internet browser can use commands encoded in HTTP, XML, Java, or proprietary formats to access Non-IP services and to control Non-IP devices. In this manner, changes are not required to the Internet browser. The glue layers translate between the IP protocol and Non-IP API, but also allow commands and responses to tunnel between end applications in the Internet and the Non-IP network without interpretation.

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